

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An electro-optical device, comprising:
an electro-optical panel substrate;
an electronic part mounted on said electro-optical panel substrate; and
a holding member disposed along said electro-optical panel substrate so as to cover said electro-optical panel substrate;
wherein said electronic part is positioned so as to protrude from said electro-optical panel substrate; and
~~and~~ wherein said holding member is provided with a storing portion for storing said electronic part, said storing portion surrounding said electronic part.
2. (original) An electro-optical device according to Claim 1, wherein said holding member is configured so as to function as a light guide.
3. (cancelled)
4. (original) An electro-optical device according to Claim 1, wherein areas surrounding a mounting area of said electronic part on said electro-optical panel substrate are covered with a protective material having a flat face.

5. (currently amended) An electro-optical device, comprising:
an electro-optical panel substrate;
an electronic part mounted on said electro-optical panel substrate; and
a holding member disposed along said electro-optical panel substrate so
as to at least substantially cover said electro-optical panel substrate;

wherein said electro-optical panel substrate is covered with a protective
material having a flat face;

~~and~~ wherein said electronic part is positioned so as to protrude from said
protective material on said electro-optical panel substrate; and

~~and~~ wherein said holding member is provided with a storing portion for
storing said electronic part.

6. (original) An electro-optical device according to Claim 5, wherein said
holding member is configured so as to function as a light guide.

7. (cancelled)

8. (currently amended) An electro-optical device, comprising:
an electro-optical panel substrate;
an electronic part mounted on said electro-optical panel substrate; and
a holding member disposed along said electro-optical panel substrate so
as to at least substantially cover said electro-optical panel substrate;

wherein a plurality of said electronic parts are mounted on said electro-optical panel substrate;

~~and~~ wherein said plurality of electronic parts are positioned so as to protrude from said electro-optical panel substrate; and

~~and~~ wherein said holding member is provided with a storing portion for storing said plurality of electronic parts, said storing portion surrounding said electronic parts.

9. (original) An electro-optical device according to Claim 8, wherein said holding member is configured so as to function as a light guide.

10. (cancelled)

11. (original) An electro-optical device according to Claim 8, wherein a plurality of said storing portions are provided corresponding to said plurality of electronic parts.

12. (original) An electro-optical device according to Claim 11, comprising a plurality of said electronic parts having mutually different shapes or dimensions, and comprising a plurality of said storing portions configured with mutually different shapes or dimensions so as to match the forms of the corresponding electronic parts.

13. (original) An electro-optical device according to Claim 8, wherein said storing portion is configured so as to store said plurality of electronic parts together.

14. (original) An electro-optical device according to Claim 13, wherein said storing portion is configured having a groove shape.

15. (currently amended) An electro-optical device, comprising:
a first an electro-optical panel substrate;
a second electro-optical panel substrate;
an electronic part mounted on said first electro-optical panel substrate;
and
a first holding member disposed along said first electro-optical panel substrate so as to cover said first electro-optical panel substrate; and
a second holding member disposed along said second electro-optical panel substrate so as to cover said second electro-optical panel substrate;
wherein said electronic part is positioned so as to protrude from said first electro-optical panel substrate;
~~and~~ wherein said first holding member is provided with an abutting portion which abuts said first electro-optical panel substrate for positioning;[[,]] and
wherein said second holding member includes a storing portion for storing said electronic part in a state wherein said electro-optical panel substrate is positioned by said abutting portion.

16. (currently amended) An electro-optical device according to Claim 15, wherein at least one of said first holding member and said second holding member is configured so as to function as a light guide.

17. (cancelled)

18. (currently amended) An electro-optical device according to Claim 15, wherein said first holding member comprises an elastic holding portion for holding said first electro-optical panel substrate in a state abutted against said abutting portion.

19. (currently amended) An electro-optical device according to Claim 15, wherein said first holding member is provided with a recessed structure containing said abutting portion for storing said electro-optical panel substrate, ~~containing said abutting portion.~~

20 – 29. (cancelled)

30. (currently amended) A method for manufacturing an electro-optical device, said method comprising:

mounting an electronic part on a first side of an electro-optical panel substrate having said first side and a second side; and

disposing a first holding member along said first side of said electro-optical panel substrate so as to at least substantially cover said first side of said electro-optical panel substrate;

wherein said first holding member is provided beforehand with a storing portion for storing said electronic part, and wherein said first holding member is positioned such that said storing portion accommodates said electronic part and surrounds said electronic part.

31. (currently amended) A method for manufacturing an electro-optical device according to Claim 30, further comprising:

disposing a second holding member along a second side of said electro-optical panel substrate to at least substantially cover said second side of said electro-optical panel substrate; and

positioning said second holding member such that an abutting portion of said electro-optical panel substrate abuts said electro-optical panel substrate to position said electro-optical panel substrate

~~wherein said storing portion accommodates said electronic part in the state that an abutting portion of said holding member which abuts said electro-optical panel substrate for positioning, is abutting said electro-optical panel substrate.~~

32. (currently amended) A method for manufacturing an electro-optical device according to Claim 30, wherein said first side of said electro-optical panel substrate is covered with a protective material following mounting said electronic part on said electro-optical panel substrate.

33 – 40. (cancelled)

41. (original) A light guide used in a state disposed so as to cover an electro-optical panel substrate;

comprising a storing portion for storing an electronic part mounted on said electro-optical panel substrate and positioned so as to protrude from said electro-optical panel substrate.

42 - 43. (cancelled)

44. (original) A light guide according to Claim 41, further comprising an abutting portion which abuts said electro-optical panel substrate for positioning.

45. (original) A light guide according to Claim 44, further comprising an elastic holding portion for holding said electro-optical panel substrate against said abutting portion in said abutted state.

46. (original) A light guide according to Claim 44, further comprising a recess structure containing said abutting portion, for storing said electro-optical panel substrate.

47. (currently amended) An electro-optical device, comprising:
an electro-optical panel substrate;
an electro-optical panel driving IC mounted onto said electro-optical panel substrate; and
a holding member disposed along said electro-optical panel substrate so as to at least substantially cover said electro-optical panel substrate;
wherein said electro-optical panel driving IC is positioned protruding from said electro-optical panel substrate, and said holding member has a recess for storing said electro-optical panel driving IC, said recess surrounding said electro-optical panel driving IC.

48. (original) An electro-optical device according to Claim 47, wherein said holding member functions as a light guide.

49. (original) An electro-optical device according to Claim 47, wherein a chip part is mounted to said electro-optical panel substrate, said chip part is positioned protruding from said electro-optical panel substrate, and a recess is formed on said holding member for storing said chip part.

50. (original) An electro-optical device according to Claim 49, wherein said recess is a groove provided in said holding member.

51 - 55. (cancelled)

56. (original) A light guide disposed along an electro-optical panel substrate upon which an electro-optical panel driving IC is mounted,

wherein said electro-optical panel driving IC is attached to said electro-optical panel substrate in a manner protruding therefrom, and a recess is formed in a holding member for storing said protruding electro-optical panel driving IC.

57 - 58. (cancelled)

59. (currently amended) A liquid crystal device, comprising:

a pair of liquid crystal panel substrates with liquid crystal sandwiched therebetween;

an electronic part mounted to a substrate extension portion on at least one of said pair of liquid crystal panel substrates which extends further outwards than the outer shape of the other liquid crystal panel substrate; and

a holding member provided along said one liquid crystal panel substrate for at least substantially covering said liquid crystal panel substrate;

wherein said electronic part is positioned so as to protrude from said substrate extension portion;

wherein said substrate extension portion is covered with a protective material having a smooth surface; and

~~and~~ wherein said holding member is provided with a storing portion for storing said electronic part, said storing portion surrounding said electronic part.

60. (original) A method for manufacturing an electro-optical device according to Claim 30, wherein a liquid crystal device is manufactured by liquid crystal being provided between a pair of liquid crystal panel substrates which are said electro-optical panel substrates.

61. (original) Electronic equipment comprising:
the electro-optical device according to Claim 1; and
control means for controlling said electro-optical device.

62. (original) Electronic equipment comprising: the liquid crystal device according to Claim 59; and
control means for controlling said electro-optical device.

63. (new) The electro-optical device of Claim 1, wherein said holding member substantially covers said electro-optical panel substrate.

64. (new) The electro-optical device of Claim 1, wherein said storing portion has dimensions at least substantially approximating dimensions of said electronic part.

65. (new) The electro-optical device of Claim 5, wherein said storing portion surrounds said electronic part.

66. (new) An electro-optical device, comprising:

- an electro-optical panel substrate;
- an electronic part mounted on said electro-optical panel substrate; and
- a holding member disposed along said electro-optical panel substrate so as to cover said electro-optical panel substrate;

wherein said electronic part is positioned so as to protrude from said electro-optical panel substrate;

wherein said holding member is provided with a storing portion for storing said electronic part; and

wherein said holding member is operable to function as a light guide.

67. (new) An electro-optical device, comprising:

- an electro-optical panel substrate;
- an electronic part mounted on said electro-optical panel substrate; and
- a holding member disposed along said electro-optical panel substrate so as to cover said electro-optical panel substrate;

wherein said electro-optical panel substrate is covered with a protective material having a flat face;

wherein said electronic part is positioned so as to protrude from said protective material on said electro-optical panel substrate;

wherein said holding member is provided with a storing portion for storing said electronic part; and

wherein said holding member is configured so as to function as a light guide.

68. (new) An electro-optical device, comprising:

- an electro-optical panel substrate;
- an electronic part mounted on said electro-optical panel substrate; and
- a holding member disposed along said electro-optical panel substrate so as to cover said electro-optical panel substrate;

wherein a plurality of said electronic parts are mounted on said electro-optical panel substrate;

wherein said plurality of electronic parts are positioned so as to protrude from said electro-optical panel substrate;

wherein said holding member is provided with a storing portion for storing said plurality of electronic parts; and

wherein said holding member is configured to function as a light guide.

69. (new) An electro-optical device, comprising:
an electro-optical panel substrate;
an electronic part mounted on said electro-optical panel substrate; and
a holding member disposed along said electro-optical panel substrate so
as to cover said electro-optical panel substrate;

wherein said electronic part is positioned so as to protrude from said
electro-optical panel substrate;

wherein said holding member is provided with an abutting portion which
abuts said electro-optical panel substrate for positioning, and a storing portion for
storing said electronic part in a state wherein said electro-optical panel substrate is
positioned by said abutting portion; and

wherein said holding member is configured to function as a light guide.

70. (new) An electro-optical device, comprising:
an electro-optical panel substrate;
an electro-optical panel driving IC mounted onto said electro-optical panel
substrate; and

a holding member disposed along said electro-optical panel substrate so
as to cover said electro-optical panel substrate;

wherein said electro-optical panel driving IC is positioned protruding from
said electro-optical panel substrate, and said holding member has a recess for storing
said electro-optical panel driving IC; and

wherein said holding member is operable to function as a light guide.

71. (new) An electro-optical device, comprising

- a first substrate;
- a second substrate having a main portion that opposes said first substrate and an extension portion that does not oppose said first substrate;
- an electronic part mounted on said extension portion and protruding from said extension portion;
- a holding member positioned over said first substrate and said second substrate to at least substantially cover both said first substrate and said second substrate; and
- a recess located within said holding member for receiving said electronic part.

72. (new) The electro-optical device of Claim 71, wherein said holding member further comprises:

- a main holding portion for at least substantially covering said first substrate and said main portion of said second substrate; and
- an extension holding portion for covering said extension portion of said second substrate;

wherein said recess is located within said extension holding portion.

73. (new) The electro-optical device of Claim 72, wherein said main holding portion has a first thickness and said extension holding portion has a second thickness greater than said first thickness.

74. (new) The electro-optical device of Claim 71, wherein said main holding portion further includes an inner surface comprising:

a first face;

a second face; and

a recessed groove;

wherein said first inner face, said second face, and said recessed groove assist proper positioning of said holding member.

75. (new) A holding member for an electro-optical substrate comprising:

a liquid crystal panel supporting portion;

an extension portion extending from said liquid crystal panel portion;

a recess disposed within said extension portion to receive an electronic part of the electro-optical substrate;

wherein said extension portion is thicker than said panel supporting portion.

76. (new) The holding member of Claim 75, wherein said liquid crystal panel supporting portion further includes an undersurface comprising:

a first face;

a second face; and

a recessed groove;

wherein said first face, said second face, and said recessed groove permit proper positioning of said holding member at the electro-optical substrate.